

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036975.D
 Acq On : 18 May 2021 19:02
 Operator : SY/AP
 Sample : M2430-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:55:53 PM

Quant Time: May 19 04:13:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1241496	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3607615	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3582262	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2628878	9.77	ppbv	0.00	MMDadoda
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	45433m	0.200	ppbv	
9) Propene	3.01	41	16383	0.201	ppbv #	79
13) Ethanol	3.59	45	1754147	161.425	ppbv	93
15) Acetone	3.84	43	172445	1.356	ppbv #	88
19) Isopropyl Alcohol	3.96	45	2218757	32.459	ppbv #	33
20) Methylene Chloride	4.33	84	94123	1.381	ppbv	97
26) Hexane	5.67	57	103256	0.661	ppbv #	50
34) 2-Butanone	5.24	43	15452m	0.118	ppbv	
38) Trichloroethene	7.83	130	11445m	0.086	ppbv	
52) Tetrachloroethene	11.20	164	42456m	0.344	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

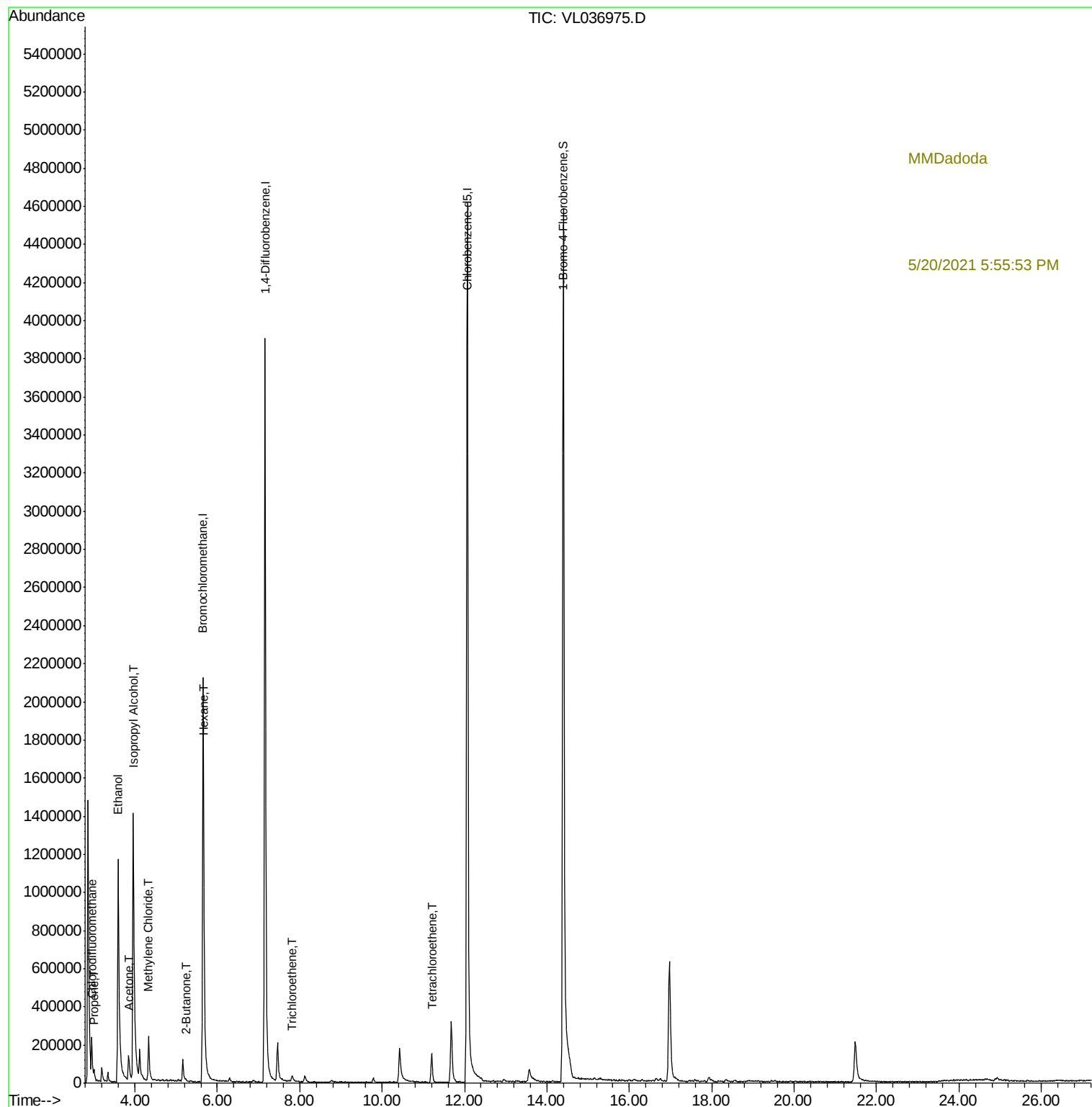
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051821\
Data File : VL036975.D
Acq On : 18 May 2021 19:02
Operator : SY/AP
Sample : M2430-02DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Manual Integrations
APPROVED

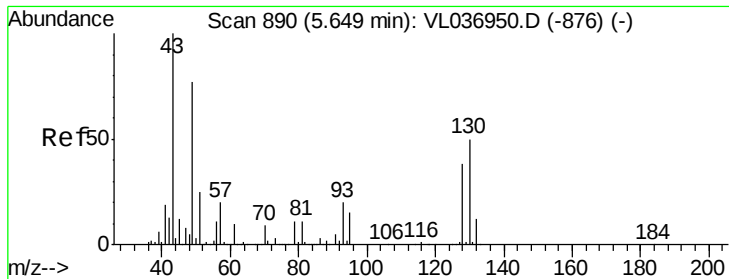
MMDadoda
5/20/2021 5:55:53 PM

Quant Time: May 19 04:13:24 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration



MMDadoda

5/20/2021 5:55:53 PM



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL036975.D

Acq: 18 May 2021 19:02

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 49 Resp: 1241496

Ion Ratio Lower Upper

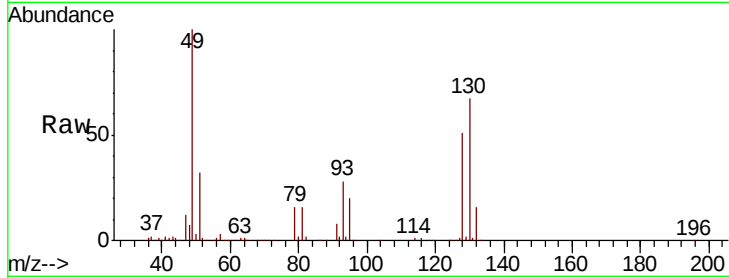
49 100

128 54.2 26.9 80.7

130 69.9 33.8 101.4

Manual Integrations
APPROVED

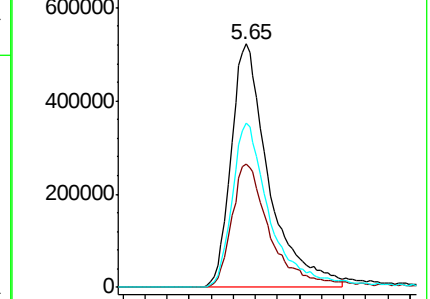
MMDadoda
5/20/2021 5:55:53 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

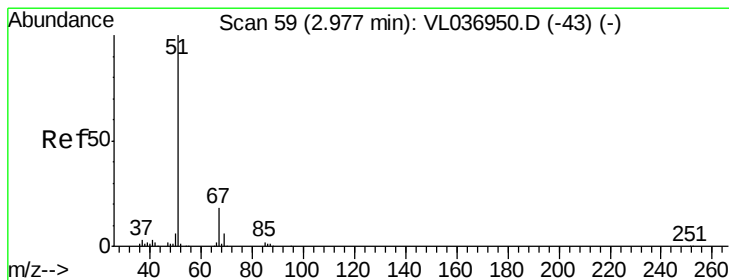
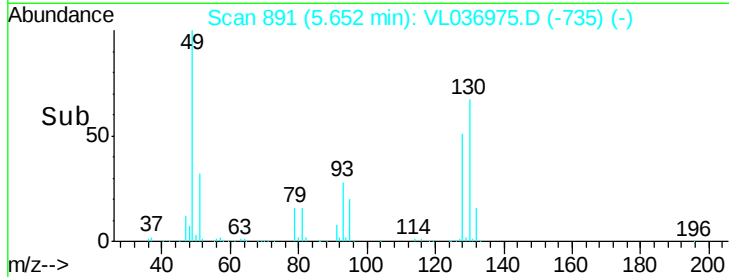
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



MMDadoda

5/20/2021 5:55:53 PM



#3

Chlorodifluoromethane

Concen: 0.200 ppbv m

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL036975.D

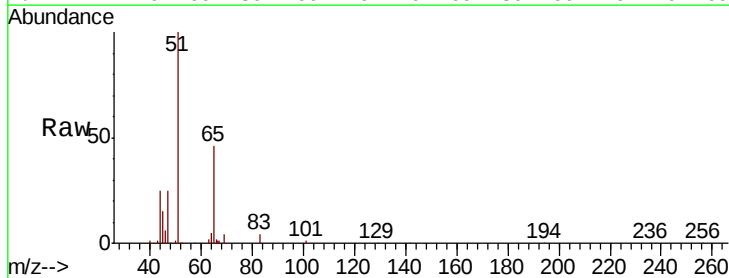
Acq: 18 May 2021 19:02

Tgt Ion: 51 Resp: 45433

Ion Ratio Lower Upper

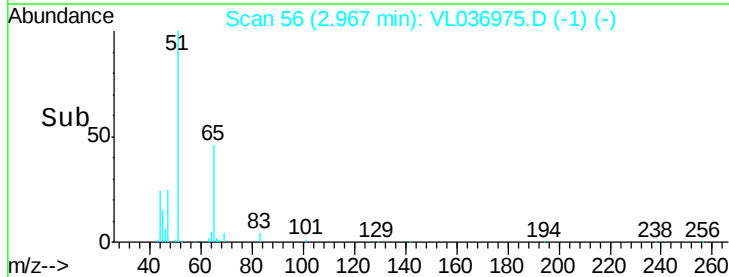
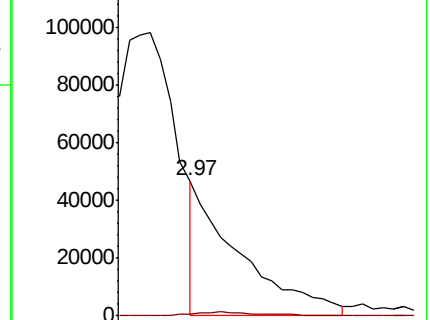
51 100

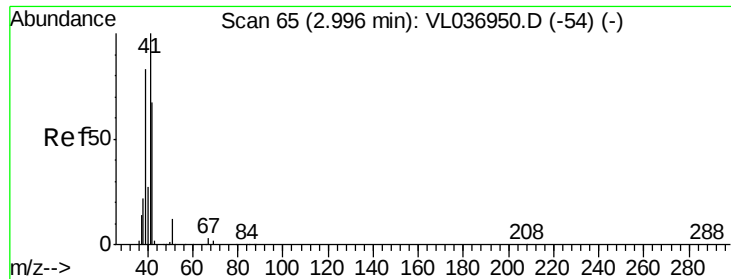
67 4.7 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.201 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL036975.D

Acq: 18 May 2021 19:02

Instrument :

MSVOA_L

ClientSampled :

IA2DL

Tot Ion: 41 Resp: 16383

Ion Ratio Lower Upper

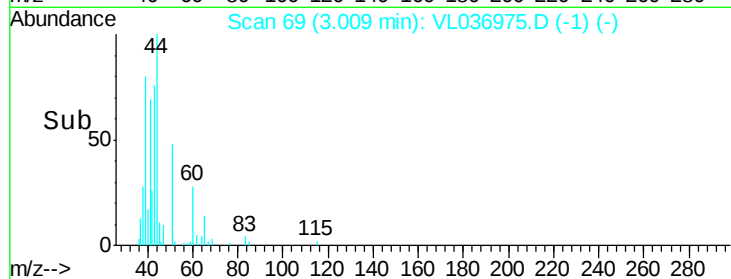
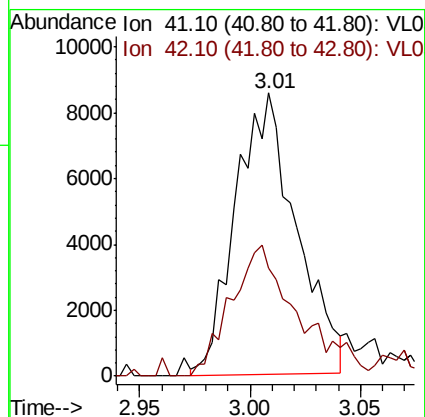
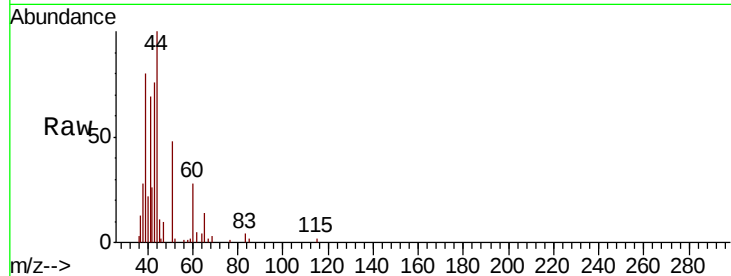
41 100

42 50.8 53.9 80.9#

Manual Integrations
APPROVED

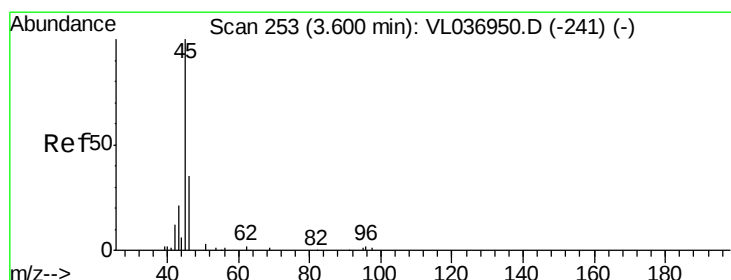
MMDadoda

5/20/2021 5:55:53 PM



MMDadoda

5/20/2021 5:55:53 PM



#13

Ethanol

Concen: 161.425 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL036975.D

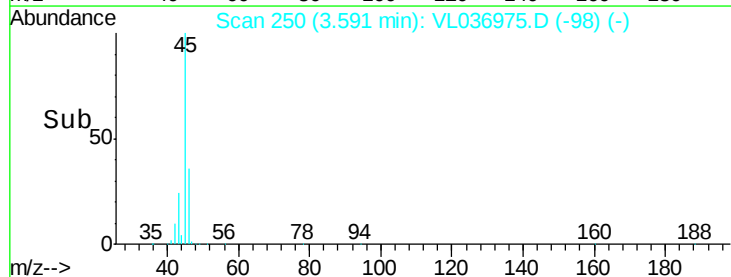
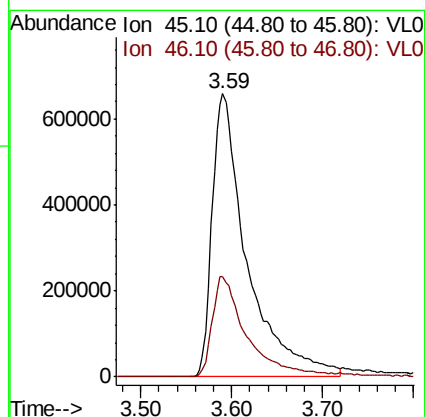
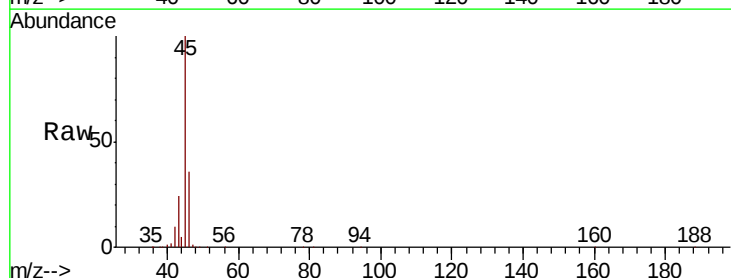
Acq: 18 May 2021 19:02

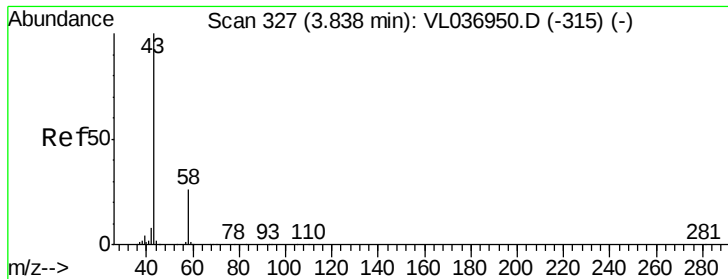
Tgt Ion: 45 Resp: 1754147

Ion Ratio Lower Upper

45 100

46 36.5 16.3 65.3





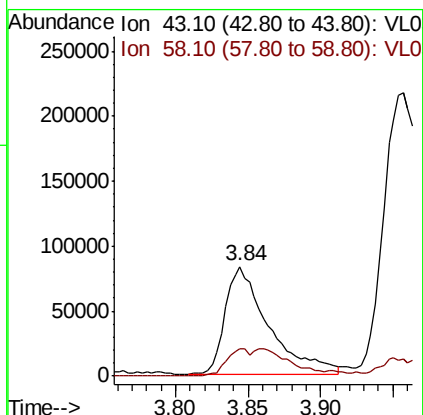
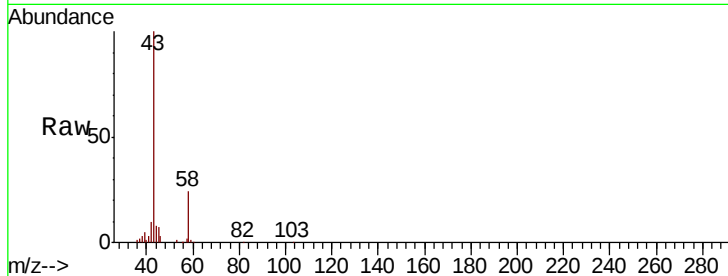
#15
Acetone
Concen: 1.356 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL036975.D
Acq: 18 May 2021 19:02

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion: 43 Resp: 172445
Ion Ratio Lower Upper
43 100
58 36.7 24.0 36.0#

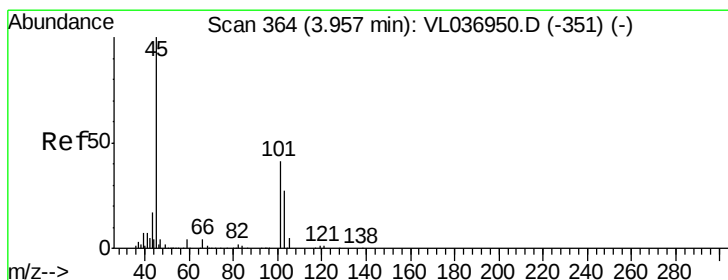
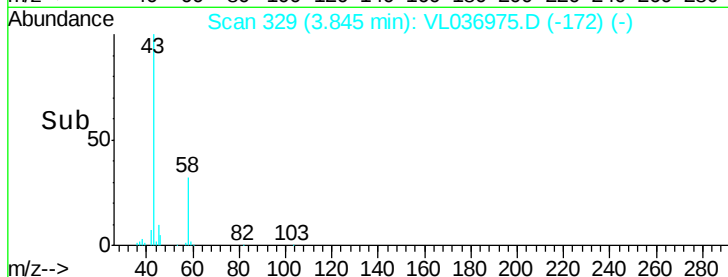
Manual Integrations
APPROVED

MMDadoda
5/20/2021 5:55:53 PM



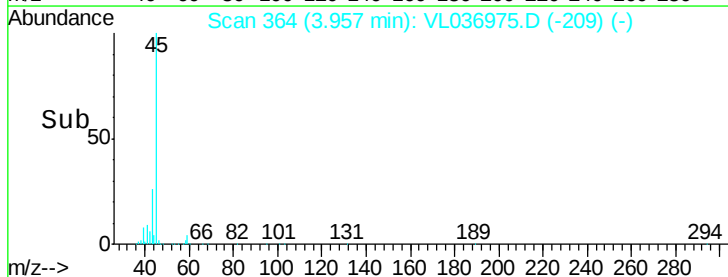
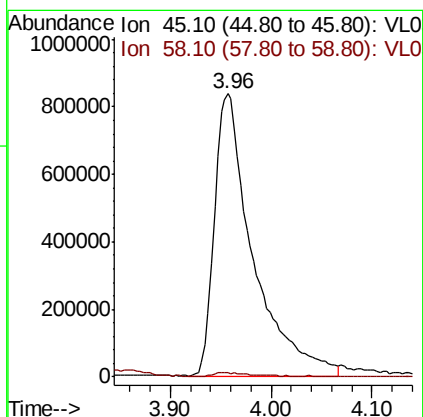
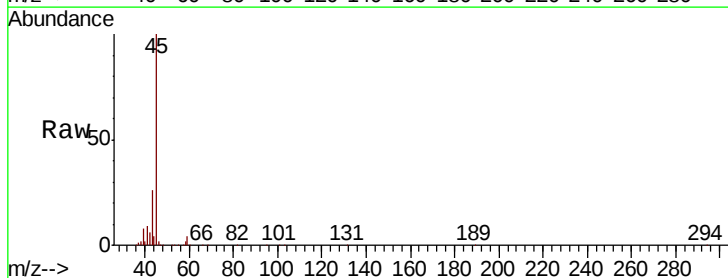
MMDadoda

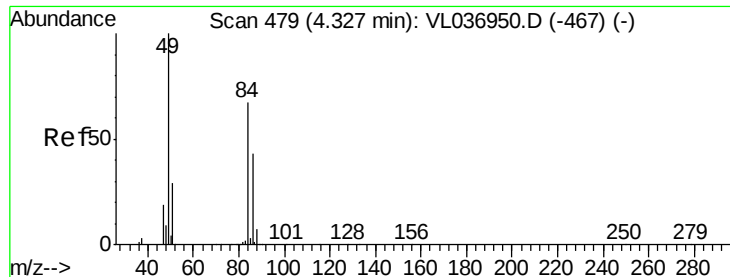
5/20/2021 5:55:53 PM



#19
Isopropyl Alcohol
Concen: 32.459 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL036975.D
Acq: 18 May 2021 19:02

Tgt Ion: 45 Resp: 2218757
Ion Ratio Lower Upper
45 100
58 1.7 37.2 55.8#





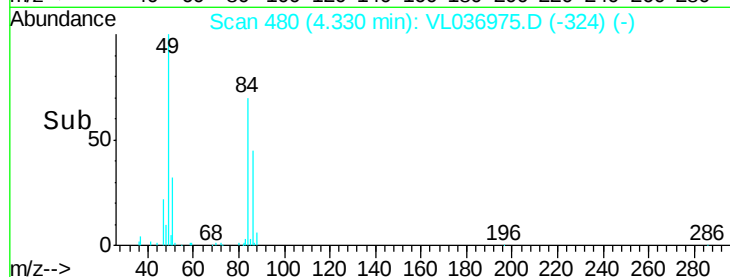
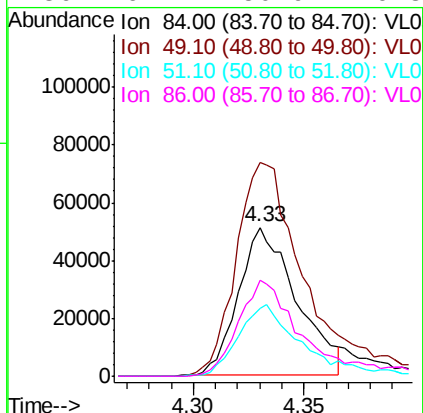
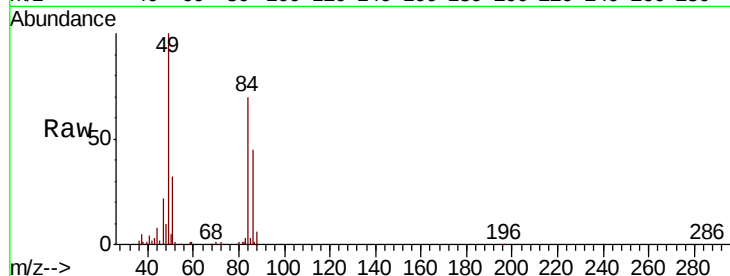
#20
Methvlene Chloride
Concen: 1.381 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL036975.D
Acq: 18 May 2021 19:02

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion	Ratio	Lower	Upper
84	100		
49	143.8	119.8	179.6
51	44.5	35.1	52.7
86	64.7	50.9	76.3

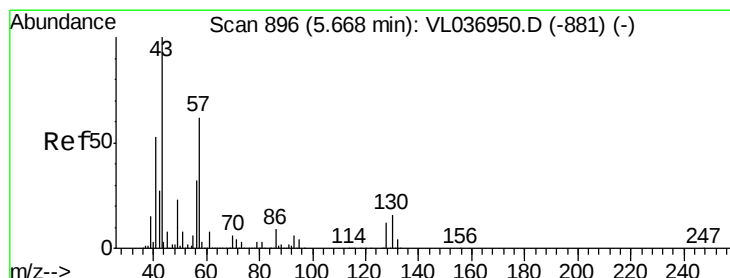
Manual Integrations
APPROVED

MMDadoda
5/20/2021 5:55:53 PM



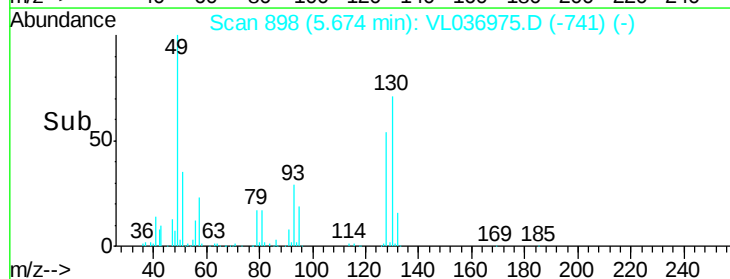
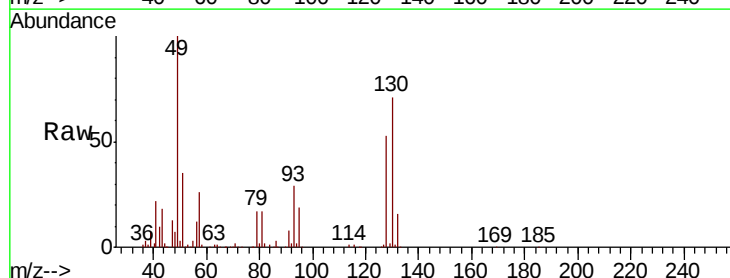
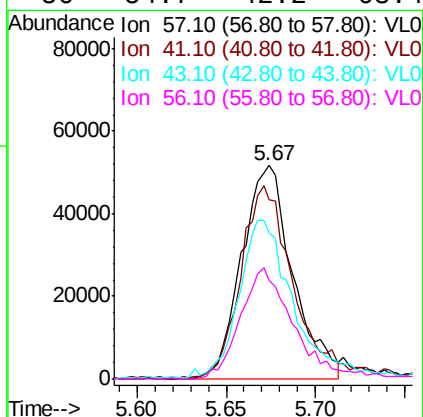
MMDadoda

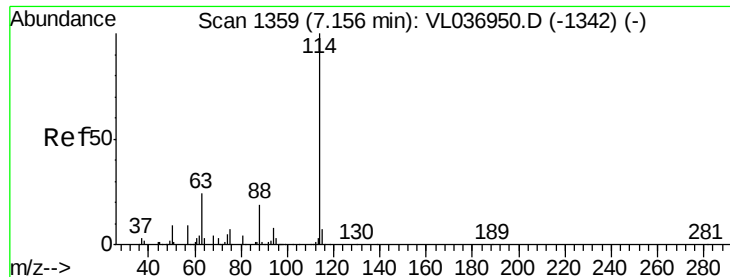
5/20/2021 5:55:53 PM



#26
Hexane
Concen: 0.661 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036975.D
Acq: 18 May 2021 19:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.2	70.5	105.7
43	83.2	165.8	248.8#
56	54.7	42.2	63.4





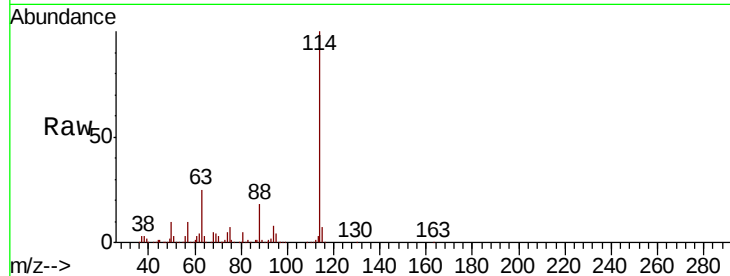
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL036975.D
 Acq: 18 May 2021 19:02

Instrument :
 MSVOA_L
 ClientSampleID :
 IA2DL

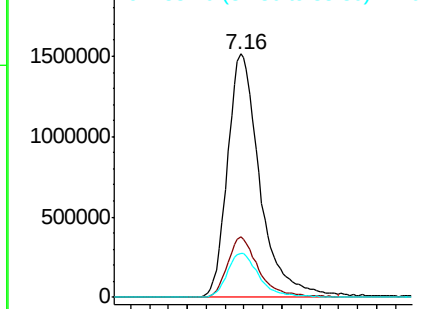
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	18.1	14.6	21.8

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:55:53 PM

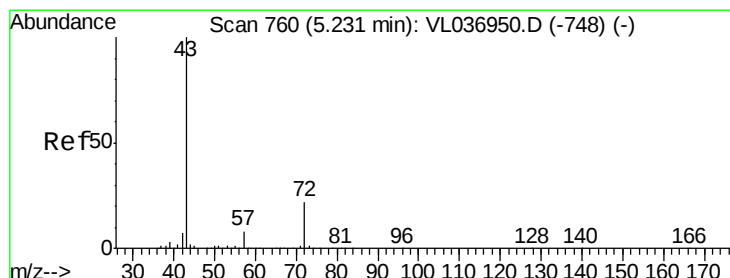
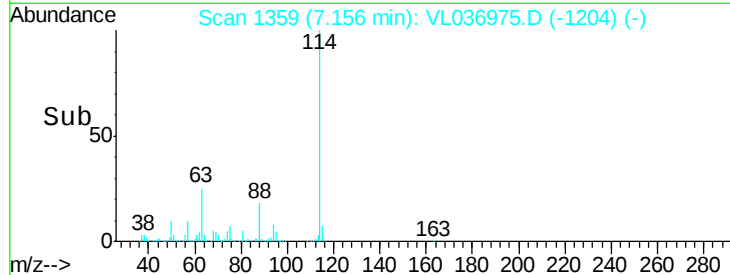


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



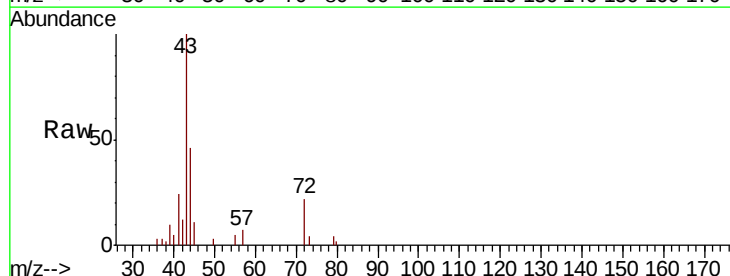
MMDadoda

5/20/2021 5:55:53 PM

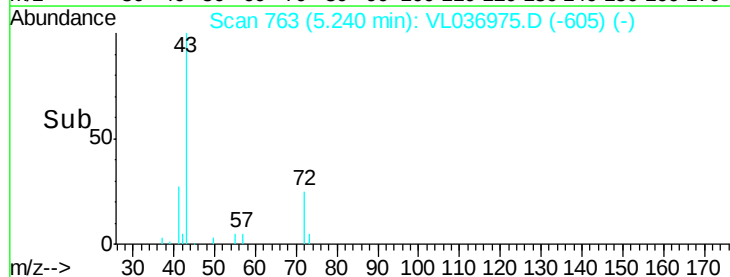
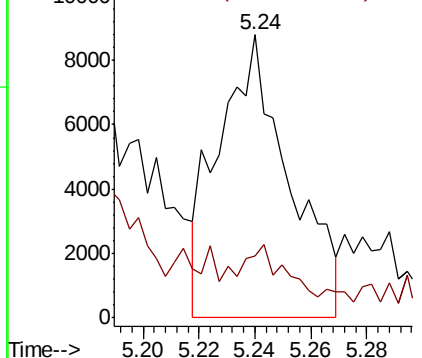


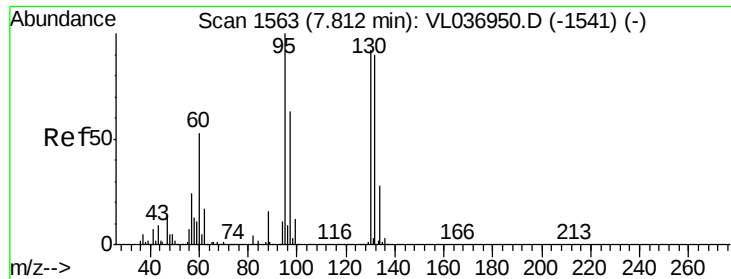
#34
 2-Butanone
 Concen: 0.118 ppbv m
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL036975.D
 Acq: 18 May 2021 19:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#38

Trichloroethene

Concen: 0.086 ppbv m

RT: 7.83 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VL036975.D

Acq: 18 May 2021 19:02

Instrument :

MSVOA_L

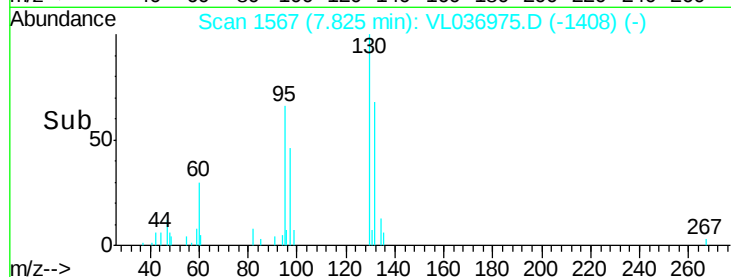
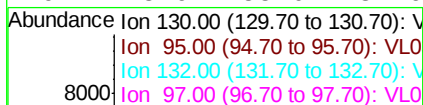
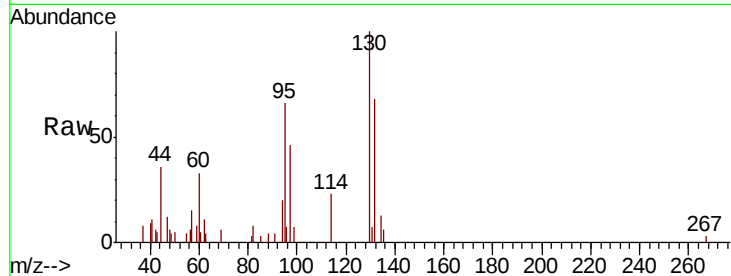
ClientSampled :

IA2DL

Tot Ion:	130	Resp:	11445
Ion Ratio	Lower	Upper	
130	100		
95	65.7	86.9	130.3#
132	68.3	78.4	117.6#
97	45.9	55.0	82.6#

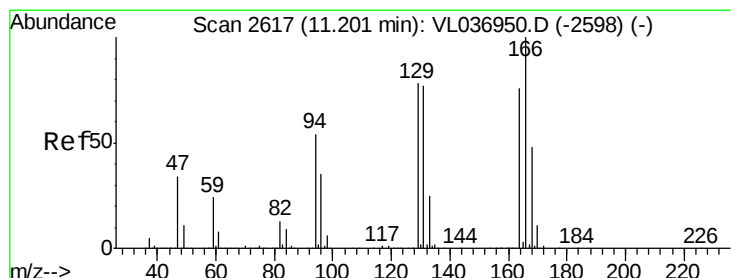
Manual Integrations
APPROVED

MMDadoda
5/20/2021 5:55:53 PM



MMDadoda

5/20/2021 5:55:53 PM



#52

Tetrachloroethene

Concen: 0.344 ppbv m

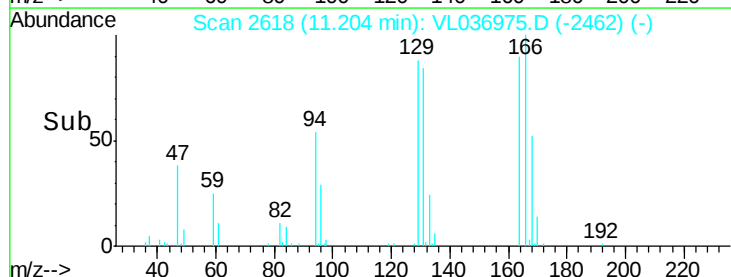
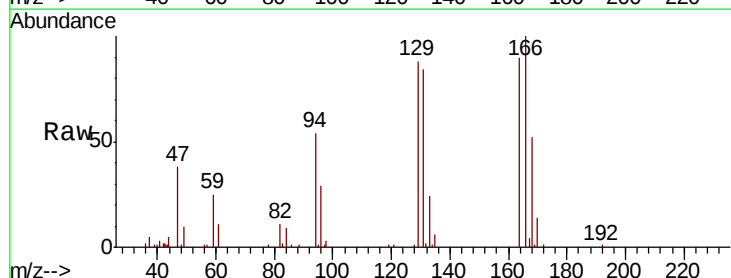
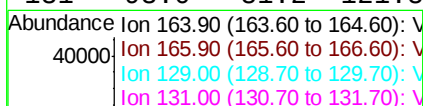
RT: 11.20 min Scan# 2618

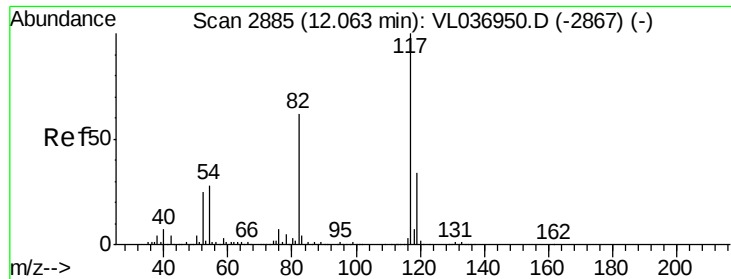
Delta R.T. 0.00 min

Lab File: VL036975.D

Acq: 18 May 2021 19:02

Tgt Ion:	164	Resp:	42456
Ion Ratio	Lower	Upper	
164	100		
166	111.1	105.5	158.3
129	97.4	81.8	122.8
131	93.0	81.2	121.8





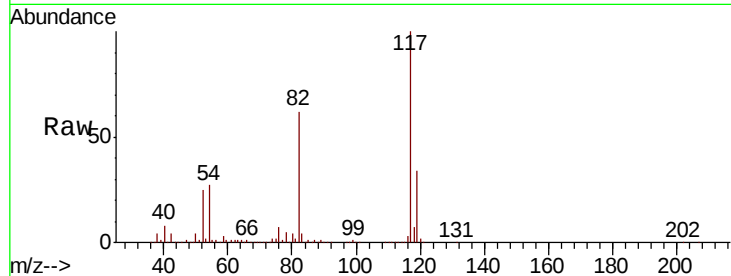
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL036975.D
Acq: 18 May 2021 19:02

Instrument :
MSVOA_L
ClientSampled :
IA2DL

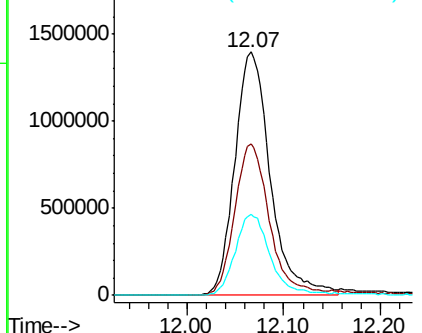
Tot Ion:117 Resp: 3582262
Ion Ratio Lower Upper
117 100
82 63.4 52.6 79.0
119 34.7 46.6 70.0#

Manual Integrations
APPROVED

MMDadoda
5/20/2021 5:55:53 PM

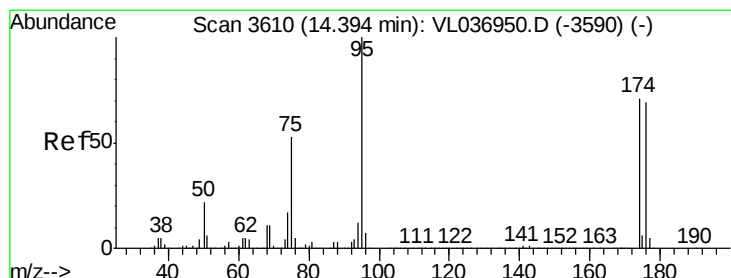
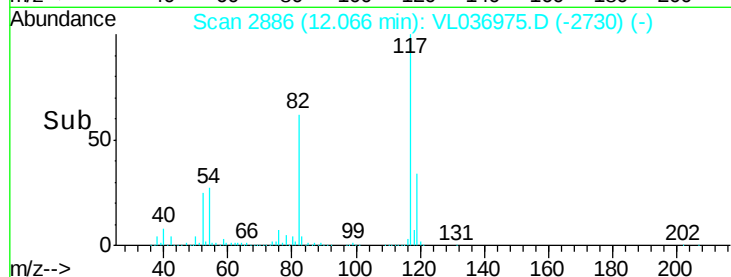


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



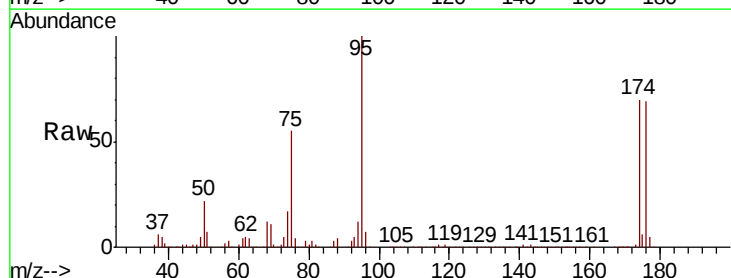
MMDadoda

5/20/2021 5:55:53 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.769 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL036975.D
Acq: 18 May 2021 19:02

Tgt Ion: 95 Resp: 2628878
Ion Ratio Lower Upper
95 100
174 77.5 58.4 87.6
175 5.8 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

